



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786)315-2590 F (786) 31525-99

www.miamidade.gov/economy

GAF

1361 Alps Road
Wayne, NJ 07470

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: : GAF Ruberoid® Modified Bitumen Roof System for Cementitious Wood Fiber Decks

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 09-0226.06 and consists of pages 1 through 14.
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 13-0409.05
Expiration Date: 11/06/14
Approval Date: 10/31/13
Page 1 of 14

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Modified Bitumen
Material: APP/SBS
Deck Type: Cementitious Wood Fiber
Maximum Design Pressure: -82.5 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

TABLE 1

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
GAFGLAS® #75 Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Type II asphalt impregnated and coated glass mat base sheet.
GAFGLAS® #80 Ultima™ Base Sheet	39.37" (1 meter) Wide	ASTM D4601	Type II asphalt impregnated and coated, fiberglass base sheet.
GAFGLAS® FlexPly™ 6	39.37" (1 meter) Wide	ASTM D2178	Type VI asphalt impregnated glass felt with asphalt coating.
GAFGLAS® Ply 4®	39.37" (1 meter) Wide	ASTM D2178	Type IV asphalt impregnated glass felt with asphalt coating.
GAFGLAS® Mineral Surfaced Cap Sheet	39.37" (1 meter) Wide	ASTM D3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules.
GAFGLAS® EnergyCap™ BUR Mineral Surface Cap Sheet	39.37" (1 meter) Wide	ASTM D3909	Asphalt coated, glass fiber mat cap sheet surfaced with mineral granules with factory applied EnergyCote™
GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet	39.37" (1 meter) Wide	ASTM D4897	Fiberglass base sheet coated on both sides with asphalt. Surfaced on the bottom side with mineral granules embedded in asphaltic coating.
GAFGLAS® Stratavent® Eliminator™ Perforated Nailable Venting Base Sheet	39.37" (1 meter) Wide	ASTM D4897	A nailable, fiberglass base sheet coated on both sides with asphalt. Surfaced on the bottom side with mineral granules embedded in asphaltic coating.
Ruberoid® SBS Heat-Weld™ Smooth	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with polymer-modified asphalt and smooth surfaced.
Ruberoid® SBS Heat-Weld™ Granule	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with polymer-modified asphalt and surfaced with mineral granules.
Ruberoid® SBS Heat-Weld™ 170 FR	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules.
Ruberoid® SBS Heat-Weld™ Plus	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with polymer-modified asphalt and surfaced with mineral granules.
Ruberoid® SBS Heat-Weld™ Plus FR	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules.



<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Ruberoid® EnergyCap SBS Heat-Weld™ Plus FR	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with fire retardant polymer modified asphalt and surfaced with mineral granules and with factory applied EnergyCote.
Ruberoid® SBS Heat-Weld™ 25	39.37" (1 meter) Wide	ASTM D6163	Non-woven polyester mat coated with polymer-modified asphalt and smooth surfaced.
Ruberoid Mop Smooth	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with polymer-modified asphalt and smooth surfaced.
Ruberoid® Mop Granule	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with polymer-modified asphalt and surfaced with mineral granules.
Ruberoid® Torch Smooth	39.37" (1 meter) Wide	ASTM D6222	Non-woven polyester mat coated with APP modified asphalt and smooth surfaced.
Ruberoid® Torch Granule	39.37" (1 meter) Wide	ASTM D6222	Non-woven polyester mat coated with APP modified asphalt and surfaced with mineral granules
Ruberoid® Torch FR	39.37" (1 meter) Wide	ASTM D6222	Non-woven polyester mat coated with fire retardant polymer-modified membrane, granule surface.
Ruberoid® Mop Plus	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with polymer-modified asphalt and surfaced with mineral granules.
Ruberoid® Mop FR	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with fire-retardant, polymer-modified asphalt surfaced with mineral granules.
Ruberoid® 20	39.37" (1 meter) Wide	ASTM D6163	SBS modified asphalt base sheet reinforce with a glass fiber mat.
Ruberoid® 30	39.37" (1 meter) Wide	ASTM D6163	Non-woven fiberglass mat coated with polymer-modified asphalt and surfaced with mineral granules.
Ruberoid® 30 FR	39.37" (1 meter) Wide	ASTM D6163	Non-woven fiberglass mat coated with fire retardant, polymer-modified asphalt and surfaced with mineral granules.
Ruberoid® Mop 170 FR	39.37" (1 meter) Wide	ASTM D6164	Non-woven polyester mat coated with fire retardant polymer-modified asphalt surfaced with mineral granules.
RoofMatch™ SBS Modified Granular	107 sq. ft. (9.9 m2)	ASTM D6164	Non-woven polyester mat coated with polymer-modified asphalt and surfaced with colored mineral granules.
Ruberoid® EnergyCap™ Torch Plus FR	39.37" (1 meter) Wide	ASTM D6222	APP modified cap membrane with a torch grade bottom surface and a mineral granular top surface coated with factory applied EnergyCote™

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
Ruberoid® EnergyCap™ Torch Granule FR	39.37” (1 meter) Wide	ASTM D6222	APP modified cap membrane with a torch grade bottom surface and a mineral granular top surface coated with factory applied EnergyCote™.
RoofMatch™ APP Modified Granular	107 sq. ft. (9.9 m2)	ASTM D6222	Non-woven polyester mat coated with APP polymer-modified asphalt and surfaced with colored mineral granules.
Ruberoid® EnergyCap™ 30 FR SBS Membrane	39.37” (1 meter) Wide	ASTM D6163	Non-woven fiberglass mat coated with fire retardant, polymer-modified asphalt and surfaced with mineral granules and with factory applied EnergyCote.
Ruberoid® Dual FR	39.37” (1 meter) Wide	ASTM D6162	Non-woven polyester and fiberglass mat coated with fire retardant, polymer- modified asphalt and surfaced with mineral granules.
Matrix™ 102 SBS Membrane Adhesive	5 or 55 gallons	ASTM D3019	Fiber reinforced rubberized cold-applied adhesive for modified bitumen roof systems.
Topcoat® Surface Seal SB	5 gallons	ASTM D6083	Solvent based sprayable thermoplastic rubber sealant designed to protect and restore aged roof surfaces and to increase a roof's reflectivity.

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
EnergyGuard™ Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RN Polyiso Insulation	Polyisocyanurate foam insulation	GAF
EnergyGuard™ RA Composite Polyiso Insulation	Polyisocyanurate foam insulation with high density fiberboard or Permalite perlite insulation.	GAF.
EnergyGuard™ Perlite Roof Insulation	Perlite insulation board.	GAF
EnergyGuard™ Perlite Recover Board	Perlite recover board	GAF
DensDeck® Roof Board DensDeck® Prime® DensDeck® DuraGuard®	Gypsum roof board.	Georgia-Pacific Gypsum LLC
Structodek® High Density Fiber Board	Gypsum board	Blue Ridge FiberBoard, Inc.
Securock® Gypsum-Fiber Roof Board	Gypsum board	United States Gypsum Corp.



APPROVED FASTENERS:**TABLE 3**

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1	Drill-Tec™ Locking Impact Nail	Base Sheet fastener for lightweight concrete, gypsum & Tectum decks.	Fastener: Various lengths Plate: 2.7" diameter	GAF

EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Factory Mutual Research Corp.	FMRC 4470	0D0A8.AM	07/09/97
	FMRC 4470	2B8A4.AM	07/02/97
	FMRC 4470	3B9Q1.AM	01/08/98
	FMRC 4470	0Y9Q5.AM	04/01/98
Exterior Research & Design, LLC IRT-ARCON, Inc. Trinity ERD	TAS 117	4670.03.01-1	09/20/01
	TAS 114	02-026	07/26/02
	ASTM D 3909	G6850.08.07-1	08/13/07
	ASTM D6163	#G6850.08.08	08/29/08
	ASTM D6862	C8500SC.11.07	11/30/07
	ASTM D4601	G34140.04.11-4	04/25/11
	ASTM D4879	G34140.04.11-5	04/25/11
	ASTM D3909	G30250.02.10-3-R1	02/15/11
	ASTM D6164	G6850.08.08-R1	04/14/11
	ASTM D6222	G30250.02.10-2	02/12/10
	ASTM D6222	G6850.10.08	10/06/08
	ASTM D6222	G6850.11.08	11/05/08
	ASTM D6163	G34140.04.11-2	04/29/11
	ASTM D6164	G31360.03.10	04/08/10
	ASTM D6164	G33470.01.11	01/19/11
	UL 790	R1306	07/22/13
Underwriters Laboratories, Inc. PRI Construction Technologies LLC.	ASTM D2178	GAF-314-02-01	08/23/11
	ASTM D2178	GAF-315-02-01	08/23/11
	ASTM D6083	GAF-245-02-01	06/10/10
	ASTM D6083	GAF-084-02-01	07/08/05
	ASTM D6083	GAF-245-02-01	06/10/10
	ASTM D6083	GAF-084-02-01	07/08/05
Momentum Technologies, Inc.	ASTM D6162	AX04C9A	06/05/09



APPROVED ASSEMBLIES

Membrane Type: SBS Heat Weld

Deck Type 6I: Cementitious Wood Fiber

Deck Description: Cementitious Wood Fiber

System Type A(1): Anchor sheet mechanically fastened; all layers of insulation adhered with approved asphalt.

Anchor sheet: One ply of GAFGLAS® Stratavent® Eliminator™ Nailable Venting Base Sheet, GAFGLAS® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® Mop Smooth, Ruberoid® 20, Ruberoid® SBS Heat-Weld™ 25 or Ruberoid® SBS Heat-Weld™ Smooth mechanically fastened with Drill-Tec™ Locking Impact Nail at a 3" side lap 9" o.c. and in two rows staggered in the center of the sheet 12" o.c.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

(Optional) Base Layer

Insulation Fasteners (Table 3)

Fastener Density/ft²

EnergyGuard™ Polyiso Insulation
Minimum 1" thick

N/A

N/A

Top Insulation Layer

Insulation Fasteners (Table 3)

Fastener Density/ft²

DensDeck® Roof Board
Minimum 1/4" thick

N/A

N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. GAF requires either a ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet laid dry or a layer of EnergyGuard™ Perlite Roof Board or wood fiber overlay board on polyisocyanurate insulation applications.

Base Sheet: One or more plies of Ruberoid® SBS Heat-Weld™ 25 or Ruberoid® SBS Heat-Weld™ Smooth adhered to the insulation in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (See General Limitation #4)

Membrane: One or more plies of Ruberoid® SBS Heat-Weld™ Plus, Ruberoid® SBS Heat-Weld™ Plus FR, Ruberoid® SBS Heat-Weld™ 170 FR, Ruberoid® EnergyCap™ SBS Heat-Weld™ Plus FR, Ruberoid® SBS Heat-Weld™ Granule, Ruberoid® SBS Heat-Weld™ Smooth or Ruberoid® SBS Heat-Weld™ 25 applied according to manufactures instructions.

Surfacing: **Optional on granular surfaced membranes but required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. GAFGLAS[®] Mineral Surfaced Cap Sheet, GAFGLAS[®] EnergyCap[™] BUR Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Topcoat[®] Surface Seal SB applied at 1 to 1.5 gal./sq.

Maximum Design

Pressure: -82.5 psf. (See General Limitation #7)

Membrane Type: APP/SBS Heat Weld

Deck Type 6I: Cementitious Wood Fiber

Deck Description: Cementitious Wood Fiber

System Type A(2): Anchor sheet mechanically fastened; all layers of insulation adhered with approved asphalt.

All General and System Limitations shall apply.

Anchor sheet: One ply of GAFGLAS® Stratavent® Eliminator™ Nailable Venting Base Sheet, GAFGLAS® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® Mop Smooth, Ruberoid® 20, Ruberoid® SBS Heat-Weld™ 25 or Ruberoid® SBS Heat-Weld™ Smooth mechanically fastened with Drill-Tec™ Locking Impact Nail at a 3" side lap 9" o.c. and in two rows staggered in the center of the sheet 12" o.c.

One or more layers of any of the following insulations.

Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ RA Polyiso Insulation Minimum 1.2" thick	N/A	N/A
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation Minimum 1.3" thick	N/A	N/A
EnergyGuard Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation Minimum 1.4" thick	N/A	N/A
EnergyGuard™ RA Polyiso Insulation Minimum 1.5" thick	N/A	N/A
EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ Polyiso Insulation Minimum 1.75" thick	N/A	N/A
Structodek® High Density Fiber Board, EnergyGuard™ Perlite Recover Board, EnergyGuard™ Perlite Roof Insulation Minimum ½" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. GAF requires either a ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet laid dry or a layer of EnergyGuard™ Perlite Roof Insulation or wood fiber overlay board on polyisocyanurate insulation applications.

Base Sheet: One or more plies of GAFGLAS® Ply 4, GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet loose laid dry, GAFGLAS® FlexPly™ 6, GAFGLAS® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® Mop Smooth or Ruberoid® 20 adhered to the insulation in a full mopping of an approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (See General Limitation #4)



- Ply Sheet: (Optional, Required over GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet) One or more plies of GAFGLAS® Ply 4, GAFGLAS® FlexPly™ 6 or GAFGLAS® #80 Ultima Base Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Membrane: One or more plies of Ruberoid® Torch Smooth, Ruberoid® Torch Granule, RoofMatch™ APP Modified Granular, Ruberoid® EnergyCap™ SBS Torch Plus FR, Ruberoid® Torch FR or Ruberoid® EnergyCap™ SBS Torch Granule FR torch applied according to manufacturer's application instructions
Or
One or more plies of Ruberoid® SBS Heat-Weld™ Plus, Ruberoid® SBS Heat-Weld™ Plus FR, Ruberoid® SBS Heat-Weld™ 170 FR, Ruberoid® EnergyCap™ SBS Heat-Weld™ Plus FR, Ruberoid® SBS Heat-Weld™ Granule, Ruberoid® SBS Heat-Weld™ Smooth or Ruberoid® SBS Heat-Weld™ 25 applied according to manufacturer's application instructions.
- Surfacing: **Optional on granular surfaced membranes but required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions.**
1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
 2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® EnergyCap™ BUR Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
 3. Topcoat® Surface Seal SB applied at 1 to 1.5 gal./sq.
- Maximum Design Pressure: -82.5 psf. (See General Limitation #7)

Membrane Type: SBS/SBS Cold Applied

Deck Type 6I: Cementitious Wood Fiber, Insulated

Deck Description: Cementitious Wood Fiber

System Type A(3): Anchor sheet mechanically fastened; all layers of insulation adhered with approved asphalt.

Anchor sheet: One ply of GAFGLAS® Stratavent® Eliminator™ Nailable Venting Base Sheet, GAFGLAS® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® Mop Smooth, Ruberoid® 20, Ruberoid® SBS Heat-Weld™ 25 or Ruberoid® SBS Heat-Weld™ Smooth mechanically fastened with Drill-Tec™ Locking Impact Nail at a 3" side lap 9" o.c. and in two rows staggered in the center of the sheet 12" o.c.

All General and System Limitations shall apply.

One or more layers of any of the following insulations.

Base Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
EnergyGuard™ RA Polyiso Insulation Minimum 1.2" thick	N/A	N/A
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RA Polyiso Insulation Minimum 1.3" thick	N/A	N/A
EnergyGuard™ Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation Minimum 1.4" thick	N/A	N/A
EnergyGuard™ RA Polyiso Insulation, EnergyGuard™ Composite RA Polyiso Insulation, EnergyGuard™ RN Polyiso Insulation Minimum 1.5" thick	N/A	N/A
EnergyGuard™ RA Polyiso Insulation Minimum 1.75" thick	N/A	N/A
Structodek® High Density Fiber Board, EnergyGuard™ Perlite Recover Board, EnergyGuard™ Perlite Roof Board Minimum ½" thick	N/A	N/A
Base or Top Insulation Layer	Insulation Fasteners (Table 3)	Fastener Density/ft²
DensDeck® Roof Board, DensDeck® Prime® Roof Board DensDeck® DuraGuard® Roof Board, Securock® Gypsum-Fiber Roof Board Minimum ¼" thick	N/A	N/A
Structodek® High Density Fiber Board, EnergyGuard™ Perlite Recover Board, EnergyGuard™ Perlite Roof Board Minimum ½" thick	N/A	N/A

Note: All insulation shall be adhered to the anchor sheet in full mopping of approved hot asphalt within the EVT range and at a rate of 20-40 lbs./100 ft². Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate. GAF requires either a ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet laid dry or a layer of EnergyGuard™ Perlite Roof Board or wood fiber overlay board on polyisocyanurate insulation applications.

- Base Sheet: One ply of GAFGLAS® Stratavent® Eliminator™ Perforated Venting Base Sheet loose laid dry, GAFGLAS® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® Mop Smooth, Ruberoid® 20, Ruberoid® SBS Heat-Weld™ 25 or Ruberoid® SBS Heat-Weld™ Smooth adhered to the insulation in a full mopping of an approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq. (See General Limitation #4).
- Ply Sheet: (Optional) One or more plies of GAFGLAS® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #80 Ultima™ Base Sheet, Ruberoid® Mop Smooth or Ruberoid® 20 sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
- Membrane: One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop 170 FR, Ruberoid® Mop Granule, RoofMatch™ SBS Modified Granular, Ruberoid® Mop Plus, Ruberoid® 20, Ruberoid® 30, Ruberoid® EnergyCap™ 30 FR SBS Membrane, Ruberoid® 30 FR, Ruberoid® Mop FR or Ruberoid® Dual FR adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Or
One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop Granule, RoofMatch™ SBS Modified Granular, Ruberoid® Mop 170 FR, Ruberoid® Mop Plus, Ruberoid® 30, Ruberoid® EnergyCap™ 30 FR SBS Membrane, Ruberoid® 30 FR, Ruberoid® Mop FR or Ruberoid® Dual FR in at an Matrix™ 102 SBS Membrane Adhesive application rate of 1-2 gal./sq.
- Surfacing: **Optional on granular surfaced membranes but required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions.**
1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
 2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® EnergyCap™ BUR Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
 3. Topcoat® Surface Seal SB applied at 1 to 1.5 gal./sq.
- Maximum Design Pressure: -82.5 psf. (See General Limitation #7)

Membrane Type: APP/SBS Heat Weld
Deck Type 5: Cementitious Wood Fiber, Non-Insulated
Deck Description: Cementitious Wood fiber
System Type E(1): Anchor sheet mechanically fastened

All General and System Limitations shall apply.

Anchor Sheet: Install one ply of GAFGLAS® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, GAFGLAS® Stratavent® Eliminator™ Nailable Venting Base Sheet, Ruberoid® Mop Smooth, Ruberoid® 20, Ruberoid® SBS Heat-Weld™ Smooth or Ruberoid® SBS Heat-Weld™ 25 mechanically fastened with 1.8" Drill-Tec™ Locking Impact Nail fastened at 9" o.c. at the 3" side lap and in two 12" o.c. staggered rows in the field.

Ply Sheet: (Optional) One or more plies of GAFGLAS® Ply 4, GAFGLAS® Flex Ply™ 6 or GAFGLAS® #80 Ultima™ Base Sheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One or more plies of Ruberoid® Torch Smooth, Ruberoid® Torch Granule, RoofMatch™ APP Modified Granular, Ruberoid® EnergyCap™ Torch Granule FR or Ruberoid® Torch FR torch applied according to manufacturer's application instructions.
Or
One or more plies of Ruberoid® SBS Heat-Weld™ Smooth, Ruberoid® SBS Heat-Weld™ FR, Ruberoid® SBS Heat-Weld™ Plus FR, Ruberoid® EnergyCap™ SBS Heat-Weld™ Plus FR, Ruberoid® SBS Heat-Weld™ 25, Ruberoid® SBS Heat-Weld™ Granule, Ruberoid® SBS Heat-Weld™ 170 FR, Ruberoid® SBS Heat-Weld™ Plus applied according to manufacturer's application instructions.

Surfacing: **Optional on granular surfaced membranes but required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® EnergyCap™ BUR Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Topcoat® Surface Seal SB applied at 1 to 1.5 gal./sq.

Maximum Design Pressure: -82.5 psf. (See General Limitation #7)

Membrane: SBS/SBS Cold Applied
Deck Type 5: Cementitious Wood Fiber, Non-Insulated
Deck Description: Cementitious wood fiber
System Type E(2): Anchor sheet mechanically fastened

All General and System Limitations shall apply.

Anchor Sheet: Install one ply of GAFGLAS® #75 Base Sheet, GAFGLAS® #80 Ultima™ Base Sheet, GAFGLAS® Stratavent® Eliminator™ Nailable Venting Base Sheet, Ruberoid® Mop Smooth, Ruberoid® 20, Ruberoid® SBS Heat-Weld™ Smooth or Ruberoid® SBS Heat-Weld™ 25 base sheet mechanically fastened with 1.8" Drill-Tec™ Locking Impact Nail fastened at 9" o.c. at the 3" side lap and in two 12" o.c. staggered rows in the field.

Ply Sheet: (Optional) One or more plies of GAFGLAS® Ply 4, GAFGLAS® FlexPly™ 6, GAFGLAS® #80 Ultima Base Sheet or Ruberoid® 20 adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.

Membrane: One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop 170 FR, Ruberoid® Mop Granule, RoofMatch™ SBS Modified Granular, Ruberoid® Mop Plus, Ruberoid® 20, Ruberoid® 30, Ruberoid® EnergyCap 30 FR SBS Membrane, Ruberoid® 30 FR, Ruberoid® Mop FR or Ruberoid® Dual FR in adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
Or
One or more plies of Ruberoid® Mop Smooth, Ruberoid® Mop Granule, RoofMatch™ SBS Modified Granular, Ruberoid® Mop 170 FR, Ruberoid® Mop Plus, Ruberoid® 30, Ruberoid® EnergyCap™ 30 FR SBS Membrane, Ruberoid® 30 FR, Ruberoid® Mop FR or Ruberoid® Dual FR in Matrix™ 102 SBS Membrane Adhesive at an application rate of 1-2 gal./sq.

Surfacing: **Optional on granular surfaced membranes but required for smooth membranes. Chosen components must be applied according to manufacturer's application instructions.**

1. Gravel or slag applied at 400 lbs./sq. and 300 lbs./sq. respectively in a flood coat of approved asphalt at 60 lbs./sq.
2. GAFGLAS® Mineral Surfaced Cap Sheet, GAFGLAS® EnergyCap™ BUR Mineral Surfaced Capsheet adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq.
3. Topcoat® Surface Seal SB applied at 1 to 1.5 gal./sq.

Maximum Design Pressure: -82.5 psf. (See General Limitation #7)

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt, panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each side lap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq. **Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.**
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida Registered Engineer, Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant **(When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)**
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform to Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners). **(When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)**
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE

